

From: [Gray, David](#)
To: [Gray, David](#)
Subject: FW: REVISED: EOC Spot Report: Region 6, Tropical Storm Harvey - UPDATE #6
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From: Eoc, Epahq
Sent: Monday, August 28, 2017 9:36:06 AM (UTC-06:00) Central Time (US & Canada)
To: Eoc, Epahq
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EOC Spot Report: Region 6, Tropical Storm Harvey - UPDATE #6

U.S. Environmental Protection Agency
Report as of August 28, 2017 at 10:45 am EDT

Overview:

As of 5:00 a.m. EDT, Tropical Storm Harvey was located 15 miles north-northwest of Port O'Connor, Texas, with maximum sustained winds of 40 miles per hour (mph). Harvey is moving toward the southeast near 3 mph and a slow southeastward motion is expected today. A slow northeastward motion is expected to begin on Tuesday. On the forecast track, the center of Harvey is forecast to move off the middle Texas coast this morning, and remain just offshore through Tuesday.

Harvey is expected to produce additional rainfall accumulations of 15 to 25 inches through Friday over the upper Texas coast and into southwestern Louisiana. Isolated storm totals may reach 50 inches over the upper Texas coast, including the Houston and Galveston metropolitan area. These rains are currently producing catastrophic and life-threatening flooding, and flash flood emergencies are in effect for portions of southeastern Texas. Elsewhere, Harvey is expected to produce total rain accumulations of 5 to 15 inches farther south into the middle Texas coast, farther west toward the Texas Hill Country, and farther east across south-central Louisiana.

At 5:15 pm EDT on August 27, the Department of Energy's (DOE) indicated approximately **295,000 customers without power** in Texas, with the most impacted

counties being Nueces, Aransas, Victoria, Harris, San Patricio and Travis.

Tropical Storm Harvey will continue to have moderate to high local impacts and low national impacts to the Dams Sector. The greatest potential cause of impacts to dams is extended periods of heavy inland rainfall. Modeling identified 12 high hazard dams and levees located in areas estimated to have flood inundation over 4 feet and those identified as of concern by Protective Security Advisors in Texas. Of the 14 dams identified, Lake Houston dam is the only dam known to be directing water to its emergency spillway. Lake Conroe, a large reservoir that has exceeded capacity and is conducting controlled releases of water down the San Jacinto River to Lake Houston. Lake Livingston, a reservoir north-northeast of Houston is also conducting controlled releases of water into the Trinity River.

State, Local and other Federal Agency Actions: Currently, mandatory evacuations have been ordered for Brazoria County, San Patricio County, Calhoun County, Port Aransas, Aransas County, Refugio County, City of Corpus Christi, and City of Port Aransas. Voluntary evacuations are in place for Bolivar Peninsula, West End Galveston Island, South Padre Island, Sabine Pass, Padre Island, Mustang Island, North Beach, Jackson County, Victoria County, and the cities of West Columbia, Richwood, and Seabrook

The Federal Emergency Management Administration (FEMA) has activated all Emergency Support Function (ESF) at FEMA Region 6 and the NRCC. On August 25, the President approved an Expedited Major Disaster Declaration (FEMA-4332-DR-TX) for the state of Texas as a result of Tropical Storm Harvey.

The TDEM Situation Report shows that the Texas Commission on Environmental Quality (TCEQ) and Texas General Land Office (GLO) are coordinating with agency partners, including EPA, on the Natural Disaster Operational Workgroup (NDOW) to prepare for potential response activities. This coordination ensures the EPA Region 6 data management software, Response Manager, is up to date and agency NDOW leads are communicating with state/federal partners.

EPA Actions:

EPA Region 6:

EPA Region 6 has deployed two On-Scene Coordinators (OSC) on Friday (August 25) in support of the State through this ESF. The first OSC has deployed to the FEMA Regional Response Center in Denton, Texas and the second OSC to the State of Texas Operations Center in Austin, Texas.

The Region 6 Emergency Operations Center is currently activated. Region 6 initiated a Staff Regional Incident Coordination Team call to review regional procedures and update staff on EPA's current and planned activities. Region 6 is communicating regularly with State and Federal partners maintaining situational awareness.

EPA will deploy asset to support internal EPA, state, and local response activities including emergency response mobile command post and communication system and mobile laboratory service.

EPA's Houston Facility will remain closed on Monday and most likely Tuesday. The laboratory and office building is not damaged however all nearby roadways are flooded. EPA mobile laboratory and response vehicles are secure and can be deployed when road conditions allow.

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Industrial Sources

A call with Texas Commission on Environmental Quality (TCEQ) is scheduled for Monday, August 28, 2017, to determine where EPA can best assist the state in making contact with industrial sources. EPA will initiate contact with industrial sources located within the storm area to determine active status and plans to resume operations. EPA will closely monitor start-up of industrial sources along the coastal area of Texas. Most of the industrial sources along the Texas coast underwent organized shut-down of their operations in advance of the storm and will now be bringing their plants back online for production. Valero Corpus Christi Refinery has reported the collapse of one storage tank floating roof and the release of some hydrocarbon material is contained in the secondary berm. EPA and TCEQ are closely monitoring the situation.

Surface Water Quality Monitoring

EPA is developing incident specific surface water sampling plans to address public health concerns regarding possible contaminants found in storm water. EPA anticipates field sampling of flood waters will begin as soon as conditions allow.

Drinking Water / Wastewater Assessments

On Sunday, August 27, 2017, the City of Corpus Christi a sewage overflow into the La Volla Creek from the lift station at the City of Corpus Christi's Greenwood Wastewater Treatment Plant, at approximately 0500 on Saturday, August 26, 2017. The cause was determined to be a wide spread power outage caused by Hurricane Harvey. It is estimated that the spill resulted in a discharge of approximately 100,000 gallons of domestic wastewater into the adjacent area. City crews responded to the spill area and the City has contacted appropriate officials, including the TCEQ's Regional office.

At the request of the State of Texas, EPA is deploying personnel on Monday, August 28, 2017 to assist TCEQ's Drinking Water and Waste Water Phone Bank located in Austin, Texas. EPA teams will be responsible for contacting drinking water and waste water facilities to verify operational status and offer technical assistance as need.

EPA drinking water and waste water staff will be deployed on a case-by-case basis to offer technical assistance necessary to restore services as quickly as possible. These teams will physically visit drinking water and waste water systems to determine functionality and provide technical assistance.

Data Management

EPA will provide technical support to state regulatory agencies both at the Texas General Land Office and TCEQ to gather data and information in Response Manager, a systemized response data management system.

Search and Rescue (SAR)

EPA is not currently participating in Search and Rescue (SAR); however, EPA does have access to resources and asset to assist if required.

Refineries/Fuel Waivers

A second waiver request from the State of Texas was approved by Administrator Pruitt. It expands the waiver request to include the four-county Dallas/ Fort Worth Reformulated Gas area, the 98 counties (includes 3 counties in Beaumont area) required to use low Reid Vapor Pressure Fuel, and the entire 110 county area required to use Texas Low Emission Diesel fuel. The State/EPA Emergency Fuel Waiver Team will continue to have coordination calls throughout the weekend

The State of Louisiana is tracking the situation in Texas regarding the issuance of the waivers. No immediate request from Louisiana to initiate waiver process have been received at this time.

EPA Region 4:

The Region 4 REOC has reached out to Region 6 REOC to offer support and is monitoring the situation. The REOC has reached out to the states of Mississippi and Alabama. Their EOCs currently are not planning elevating activation levels but will keep in contact with R4 over the weekend should conditions change. R4 has been notified that the Region 3/4/5 BUR N-IMAT has been placed on alert.

EPA Office of Emergency Management (OEM):

HQ EPA Personnel will be standing up ESF #10 watch from 8 am to 8 pm at the NRCC. The HQ EOC has begun initial ramp up activation today, August 28. The HQ EOC is participating on interagency calls daily at 12:30 pm EDT. The HQ EOC is monitoring the situation closely with Region 6 REOC.

EPA Office of Water (OW):

Region 6 has developed a tracking system for EPA to identify systems in the storm's pathway. Both Texas Commission on Environmental Quality and Louisiana Department of Hospitals have uploaded their potentially impacted systems into Response Manager, which enables planning for rapid assessments to restore water systems after the storm passes and flood waters recede.

Media Interest: High

<http://www.nhc.noaa.gov/>

<http://www.cnn.com/2017/08/28/us/harvey-houston-texas-louisiana/index.html>

<http://www.foxnews.com/us/2017/08/28/houstons-convention-center-turned-into-shelter-for-harvey-flood-victims.html>

https://www.washingtonpost.com/news/post-nation/wp/2017/08/27/harvey-is-causing-epic-catastrophic-flooding-in-houston-why-wasnt-the-city-evacuated/?hpid=hp_no-name_hp-in-the-news%3Apage%2Fin-the-news&utm_term=.a490e0b6ab41

<https://www.nytimes.com/2017/08/27/us/harvey-texas-storm.html?hp&action=click&pgtype=Homepage&clickSource=story-heading&module=span-ab-top-region®ion=top-news&WT.nav=top-news>

Note: The HQ EOC will continue to monitor and provide updates as needed

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